The RCEME History Series

The Corps of
Royal Canadian
Electrical and Mechanical Engineers

Canadian Army Routine Orders concerning the Formation of RCEME

by

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Canadian Army Routine Orders concerning the Formation of RCEME

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Introduction

This document contains the text of the Canadian Army Routine Orders (CARO) published during and immediately after the Second World War that are concerned with the formation and organization of the Royal Canadian Electrical and Mechanical Engineers.

Copies of the original documents may be found in the Canadian War Museum and the Directorate of History and Heritage in the Department of National Defence, and other locations.

CARO No. 4229 - Corps of “Canadian Electrical and Mechanical Engineers” - Organization

15 March 1944

The provisions of G.O. No. 127 of 1944, are published hereunder for information:

His Excellency, the Governor-General-in-Council hereby authorizes the organization of a Corps of “Canadian Electrical and Mechanical Engineers”.

The Corps of “Canadian Electrical and Mechanical Engineers” shall be composed of:

Such units and formations named or hereafter named as corps of the Active Militia pursuant to Section 20 of the Militia Act, as may be formed as a part thereof or as may be allocated thereto from time to time by the Minister of National Defence.

A Corps Reserve of Officers.

Any unit or formation formed as a part of, or allocated to, the Corps of “Canadian Electrical and Mechanical Engineers” may be withdrawn or transferred therefrom at any time by the Minister of National Defence.

A General List shall be maintained for the Corps of “Canadian Electrical and Mechanical Engineers” on which shall be placed all officers and other ranks of units and formations allocated to or formed as part of the said Corps, and the personnel so placed on such General List may be posted and reposted to such units and formations and, in the case of officers, to the Corps Reserve of Officers as the exigencies of the Service may require.

Officers and other ranks of the Corps of “Canadian Electrical and Mechanical Engineers” shall be combatant in the fullest possible sense, except that for the purpose of restricting the exercise of command, officers will be limited to military command over such officers and men as may be especially placed under their command or attached to the Corps for duty in accordance with the provisions of King’s Regulations and Orders for the Canadian Militia, 1939, paragraph 220, as from time to time amended, and which for the present will continue to apply.

(Effective 1st February, 1944.)

(H.Q.S. 20-1-X F.D. 1)

(P.C. 70/1185 of 24-Feb.-44.)

CARO No. 4230 - Corps of “Canadian Electrical and Mechanical Engineers” - Formation of and Transfer to

15 March 1944

1. The formation of the Canadian Electrical and Mechanical Engineers has been authorized by Order-in-Council P.C. 70/1185 dated 24th February, 1944, as notified in General Order 127 of 1944, which declares that all officers and other ranks of this Corps are combatant in the fullest sense, except that for the purpose of restricting the exercise of command, officers will be limited to military command over such officers and men as may be especially placed under their command or attached to their Corps for duty in accordance with the provisions of paragraph 220, King’s Regulations and Orders for the Canadian Militia, 1939, which for the present will continue to apply.
2. Amendments to King’s Regulations and Orders for the Canadian Militia, 1939, and publications made necessary by the formation of this new Corps will be made in due course, pending which rules and regulations applicable to the R.C.O.C. will apply to the C.E.M.E.
3. Titles

   The official full and abbreviated titles for the Corps will be:

   Full Titles - Canadian Electrical and Mechanical Engineers.

   Abbreviated Title - C.E.M.E.
4. Organization

   (a) General - The C.E.M.E. will be responsible for the inspection, maintenance, and repair of electrical and mechanical equipment, and will assume:

   (i) the complete responsibilities of the engineering side of the R.C.O.C., and,

   (ii) responsibility for the inspection, maintenance and repair of all Army vehicles except those in operation by the R.C.A.S.C. or driven by R.C.A.S.C. personnel for which inspection and repair facilities are provided under R.C.A.S.C. arrangements.

   (iii) R.C.A.S.C. repair facilities will be limited to those facilities provided in Workshop platoons or Sections in the various types of R.C.A.S.C. Companies.

   (iv) Repair beyond the capacity of R.C.A.S.C. responsibilities as detailed in the foregoing sub-para are the responsibility of the 3rd and 4th Echelon Workshop Organization of the C.E.M.E. and upon evacuation of the R.C.A.S.C. operated vehicles to such workshops the responsibility of the R.C.A.S.C. for repair and inspection ceases in respect of the vehicles concerned.

   (v) Certain responsibilities from the R.C.A., R.C.E. and R.C. Sigs., as covered by Appendix “A”.

(b) Officers - C.E.M.E. Officers will consist of Electrical and Mechanical Engineers of appropriate ranks and of ungraded engineering officers. C.E.M.E. officers will be

fully responsible for the command and administration of their personnel, in addition to their technical responsibility. As a temporary measure, officers from other arms and services (including the R.C.O.C.) will be attached as required, to C.E.M.E. units for regimental duties.

(c) Other Ranks - Other Ranks of the C.E.M.E. will consist of both tradesmen (including armament artificers, armourers, artisans, clerks, and storemen) and of non-tradesmen (drivers, I.C., motorcyclists, and general duty men). Tradesmen below N.C.O. rank in the C.E.M.E. will hold the rank of "Craftsmen (abbreviation "Cfn")"; Non-tradesmen will be "Pte" or "Driver" according to the duties for which they are required.

5. Control

The C.E.M.E. will function under the Branch of the Master General of the Ordnance.

6. Training

General Staff will be responsible for all C.E.M.E. training establishments concerned with the training of C.E.M.E. personnel.

7. Conditions of Service and Transfer

The conditions of service and transfer, voluntary or compulsory, of both officers and other ranks, will be on the basis of existing regulations, or as amended from time to time.

8. War Establishments - Ranks, Appointments and Trades applicable to the C.E.M.E.

(a) Appendix B below sets out types of units belonging to other corps which it is intended will be affected by the formation of the C.E.M.E. The current War Establishment applicable to those units which are to be transferred *in toto* (or appropriate portions in the case of units which are not being transferred complete) will apply for all purposes of promotions, postings, etc., pending the issue of revised or amended War Establishments for the C.E.M.E.

(b) All ranks and appointments provided in the War Establishments concerned will apply to the C.E.M.E., except that certain appointments will be redesignated from the ruling date (see para., 9 below) as follows:

(i) Officers

O.M.E. becomes E.M.E.

A.O.M.E. becomes A.E.M.E.

Mechanist Officer or Mechanical Officer becomes A.E.M.E. or W.E.O. (according to qualifications).

(ii) Other Ranks

Ranks and appointments of W.O., N.C.Os., and men of the C.E.M.E. are given in Appendix C below. The new designation will replace those now shown in War Establishments concerned.

(c) Trades now applicable to other corps and which become applicable to the C.E.M.E. pending such revision as is necessary will be determined separately and war establishments amended accordingly.

(d) As among the types of units covered by Appendix B, below, the War Establishments of headquarters of formations and establishments include R.C.O.C. officers of the mechanical engineer's staff, such appointments therein will be redesignated as follows:

D.D.O.S. (E) becomes D.D.M.E.

A.D.O.S. (E) becomes A.D.M.E.

D.A.D.O.S. (E) becomes D.A.D.M.E.

O.M.E. becomes E.M.E.

Similarly, in the War Establishments of headquarters of formations, establishments and units of all arms having other ranks of the R.C.O.C. attached, such other ranks will become C.E.M.E. attached as detailed in Appendix D below.

9. Arrangements for transfer of personnel to the C.E.M.E. from the R.C.O.C.

With effect from a ruling date, not before 1st April, 1944, which will be notified separately, the units or appropriate parts or personnel of combined units, covered by Appendix B, Parts I and II below, will become C.E.M.E. On the same date, all R.C.O.C. personnel concerned including those with headquarters of formations or other Government departments or agencies, or who are serving with or permanently attached to units of other arms (e.g. armourers and fitters M.V. attached to infantry battalions) will be transferred to the C.E.M.E. See Appendix B, Part III below. Transfer of both officers and other ranks from the R.C.O.C. to the C.E.M.E. will be effected as follows:

Officers

(a) R.C.O.C. - All officers including serving Permanent Force Officers of the following categories will be transferred to the C.E.M.E. in their substantive or temporary war substantive ranks, retaining any acting ranks held in the units concerned, subject to the proviso that acting rank in accordance with the normal rules must be dependent on war establishments which may be subject to alterations due to the reorganization.

(i) O.M.Es. will become electrical and mechanical engineers (E.M.E.) including officers of the rank of colonel and above.

(ii) Ungraded engineering officers.

(iii) A.O.M.E. and mechanical officer (who will become A.E.M.E.), Assistant Inspectors of Armourers (AIA), and workshop executive officers (W.E.O.).

(iv) R.C.O.C. Officers in categories (i), (ii), and (iii) above who are included in Reserve formations and units, or Corps Reserve of Officers or others serving with other Government departments or agencies, will be likewise transferred.

(b) Other Ranks

Other Ranks of the following groups who are to be transferred to C.E.M.E. will be transferred to the C.E.M.E. in their substantive or temporary war substantive ranks (including lance appointments).

(i) All other ranks both tradesmen and non-tradesmen of the R.C.O.C. who are serving with the units covered by Appendix B, Part I and II.

(ii) All other ranks of the R.C.O.C. of the trades specified in Appendix D below as applicable in toto to the C.E.M.E. and no longer applicable to the R.C.O.C. including those who are attached to headquarters of formations, to establishments or to units of other arms, or to other Government departments or agencies. See Appendix B, Part III below.

(iii) All other ranks of the R.C.O.C. of the trades referred to in (ii) above who are non-effective (e.g. men on "X" Lists, Prisoners of war, etc.).

(c) Other Ranks holding acting ranks or lance appointments on War Establishments will on transfer retain them subject to the normal rules after transfer.

The appointment of conductor or sub-conductor will not apply to the C.E.M.E. and any Warrant Officer holding such appointments who is transferred from the R.C.O.C. to the C.E.M.E. will with effect from date of transfer be appointed "Superintending Clerk, Warrant Officer, Class I".

10. Transfer of personnel from the R.C.E. to C.E.M.E.

In connection with the transfer of responsibilities from the R.C.E. to the C.E.M.E. referred to in para 4 (a) (v) above, complete units or sub-units of the R.C.E. will not be converted to the C.E.M.E. but certain changes will be made in the War Establishments of the R.C.E. units concerned in due course. War Establishments for certain C.E.M.E. units will, at the same time, be amended to allow for the duties concerned which have hitherto been carried out by the R.C.E. personnel to be carried out by C.E.M.E. personnel.

Transfers from the R.C.E. to the C.E.M.E. will therefore be carried out on an individual basis and not by conversion of units or sub-units from the R.C.E. to the C.E.M.E.

11. Combined R.C.O.C. and C.E.M.E. units

It is intended that certain units having roles applicable to both the R.C.O.C. and C.E.M.E., or being concerned with the training of personnel of both corps will be so organized that each corps will have a separate company or sub-unit although located together. In such cases the C.O. of the combined unit may be provided from either corps and will exercise power of command over companies and sub-units of both corps. Technical or departmental instructions will be issued to combined units separately through the appropriate channels either ordnance or mechanical engineers. See Appendix B, Part II below.

12. Where units are divided by these instructions, the funds and assets of such units will be approximately apportioned in accordance with existing instructions.

13. Revision of Pulhems profiles where necessary will be published separately and in the meantime those applicable to the R.C.O.C. will apply.

14. Instructions regarding uniforms, badges and personal equipment will be notified later.

(H.Q.S. 20-4-X F.D. 1)

Appendix "A"
Definition of Responsibilities of the R.C.A., R.C.E., R.C. Sigs., and the C.E.M.E.

(See para. 4 (a) (v) of this Routine Order)

1. Royal Canadian Artillery

   The inspection, maintenance and repair of radar equipment formerly a R.C.O.C. responsibility, will be taken over by C.E.M.E. First Echelon maintenance will continue to be carried out by R.C.A.

2. Royal Canadian Engineers,

   (a) Constructional and productive engineering, such as power transmission, power stations, pumping stations, ice factories, saw-mills or wood machine shops, and their maintenance except as specified below, will remain the responsibility of the R.C.E.

   (b) The workshop capacity to deal with the following will be retained by the R.C.E.:

      (i) repair and maintenance of structural steel work such as girder bridges,

      (ii) components of hutting or, shedding.

      If, however, precision work is required for maintenance of equipment, as covered by paras, (a) and (b) above, it will be carried out in C.E.M.E. workshops which will provide the necessary capacity.

   c) Repair of mechanical equipment of engineer origin, e.g. tunnelling equipment, pumping sets or prime movers will be taken over by the C.E.M.E. (This to include mechanical equipment of Works Services.)

   d) The erection and maintenance of coast artillery and power-operated heavy A.A. machinery and ancillaries will be taken over by the C.E.M.E.

      The R.C.E. will retain responsibility up to the junction box of the lead-in of the outside power supply.

Application of these Principles to Existing Units

   (e) Army troops companies and electrical and mechanical companies will remain R.C.E. units.

   (f) Workshop sections of tunnelling units and mechanical equipment companies will remain R.C.E. at present.

   (g) In the case of workshop and park companies, R.C.E., the function of quick repair of miscellaneous machinery such as pumps, concrete mixers and other simple machinery required for R.C.E., work in the field and in Works Services, will be taken over by the C.E.M.E. as soon as revised War Establishments are brought into effect.

   (h) In the case of Engineer (Base) Workshops, R.C.E., the responsibility for repair of miscellaneous machinery will be taken over by the C.E.M.E. as soon as revised War Establishments are brought into effect.

(i) The C.E.M.E. will not be responsible for repair services peculiar to transportation units R.C.E., except for repair work hitherto carried out by R.C.E. workshops affected by paras (g) and (h) above.

3. Royal Canadian Signals

The inspection, maintenance and repair of signal equipment, formerly a R.C.O.C. responsibility, will be taken over by C.E.M.E. First Echelon maintenance will continue to be carried out by R.C. Sigs. and units carrying signal equipment.

Appendix "B"
Types of Units and Establishments, both Active and Reserve, affected by the formation of C.E.M.E.

(See paras 8, 9, and 11 of this Routine Order.)

Part I

R.C.O.C. units which convert completely to C.E.M.E. and remain provisionally on their current War Establishments:

Light Aid Detachments (all types).

Light Anti-Aircraft Workshops.

Heavy Anti-Aircraft Workshops.

Infantry and Armoured Brigade Workshops.

Infantry and Armoured Troops Workshops.

Corps and Army Troops Workshops.

Tank Troops Workshops.

Recovery Companies.

Advanced Base Workshops.

Port Workshop Detachments.

Engineer Equipment Workshops.

Base Ordnance Workshops.

Ordnance Workshops (except non-technical workshops).

Sub-Workshops.

M.T. Inspectorate.

Fortress Workshops.

Part II

Types of units which become provisionally combined R.C.O.C. and C.E.M.E. (see footnote).

All posts for engineering personnel on the War Establishments of these units will apply to the C.E.M.E., together with all posts for personnel employed on administrative and general duties with the engineering parts of such units.

All other posts will apply to the R.C.O.C.

Base Ordnance Depots.

Central Ordnance Depots.

Longue Pointe Ordnance Depot.

Central Mechanization Depot.

Camp Ordnance Depots and Ordnance Depots in commands, districts and Overseas stations.

Training Establishment, R.C.O.C.

Ordnance Reinforcement Unit.

Note: In the case of combined units, certain establishments, such as Central and Camp Ordnance Depots, etc., are included in Part II as a temporary measure only, pending the issue of new War Establishments separately for R.C.O.C. and C.E.M.E.

Part III

(a) Examples of units whose War Establishments include R.C.O.C. engineering personnel or to which such personnel are attached. These R.C.O.C. personnel will be transferred to the C.E.M.E.:

Formation Headquarters

- in commands A.D.O.S. (E) becomes A.D.M.E.

- in districts D.O.M.E. becomes D.E.M.E.

- in Camp Borden O.M.E. becomes Sr. E.M.E.

- in Petawawa Camp Sr. O.M.E. becomes Sr. E.M.E. and all attached Armourers, Fitters, M.V. and Motor Mechanics.

Armoured Regts, R.C.A. Regts, and Recce Regts, Infantry, Motor and M.G. Battalions attached Armourers, Fitters, M.V.

Training units and establishments.

(b) Examples of other Government departments or agencies which include R.C.O.C. engineering personnel, or to which such personnel are attached. These R.C.O.C. personnel will be transferred to the C.E.M.E.

Department of National Defence.

Department of Munitions and Supply.

Inspection Board of United Kingdom and Canada.

Army Technical Development Board.

Appendix “C”
Table showing Designations of Relative Ranks and Appointments applicable to Warrant Officers, N.C.O’s. and Men of the R.C.E., R.C.A.S.C., R.C.O.C. and C.E.M.E.

The C.E.M.E. Designations will be adopted in the case of all Other Ranks transferred to the C.E.M.E.

Rank	C.E.M.E. Appointments (Provisional)	R.C.E. Appointments	R.C.A.S.C. Appointments	R.C.O.C Appointments
Warrant Officer Class I	RSM (A)	RSM	RSM	RSM
	Armament SM			Armament SM
	Armourer SM			Armourer SM
	Artisan SM	Mechanist SM (military mechanist)	Mechanist SM (Artificer)	Artisan SM
	Superintending Clerk		Mechanist SM (TMT clerk)	Conductor Sub-Conductor
Warrant Officer Class II	RQMS (a)	RQMS	RQMS	RQMS
	Armament QMS	QMS, RCE (b)		Armament QMS
	Armourer QMS			Armourer QMS
	Artisan QMS		Mechanist QMS (Artificer)	SQMS (Artisan)
	SQMS (clerk or storeman)		Mechanist QMS (TMT clerk)	SQMS (clerk or storeman)
	CSM (a)	CSM	CSM	CSM
Staff Sergeant	CQMS (a)	CQMS	CQMS	CQMS
	Armament Staff Sergeant			Armament Staff Sergeant
	Armourer Staff Sergeant			Armourer Staff Sergeant

	Artisan Staff Sergeant	Mechanist Staff Sergeant (military mechanist)	Mechanist Staff Sergeant (artificer)	Staff Sergeant (Artisan)
	Staff Sergeant (clerk or storeman)		Mechanist Staff Sergeant (TMT clerk)	Staff Sergeant (clerk or storeman)
Sergeant	Sergeant (a)	Sergeant	Sergeant	Sergeant
	Armourer Sergeant			Armourer Sergeant
	Sergeant-cook	Sergeant-cook	Sergeant-cook	Sergeant-cook
Corporal	Lance-sergeant (a)	Lance-sergeant	Lance-sergeant	Lance-sergeant
	Armourer Lance-sergeant			Armourer Lance-sergeant
	Corporal (a)	Corporal	Corporal	Corporal
	Armourer Corporal			Armourer Corporal
Craftsman (c)	Lance-Corporal (c)	Lance-Corporal (c)	Lance-Corporal (c)	Lance-Corporal (c)
	Armourer Lance-Corporal			Armourer Lance-Corporal
	Craftsman	Sapper	Private (c)	Private (c) or Armourer Private
Driver (d)	Lance-Corporal (d)		Lance-Corporal (d)	Lance-Corporal (d)
	Driver (d)		Driver (d)	Private (d)
Private (e)	Lance-Corporal (e)		Lance-Corporal (e)	Lance-Corporal (e)
	Private (e)			Private (e)

(a) Either tradesmen or non-tradesmen.

(b) Will only be transferred under special NDHQ instructions.

(c) Tradesmen only.

(d) Drivers, I.C. only.

(e) Non-tradesmen (other than Driver, I.C. class) only.

Appendix "D"
Provisional List of Trades Applicable to the C.E.M.E.

(See paras. 8D and 9 (b) (ii) of this R.O.)

* Denotes that these trades cease to apply to the arm indicated and that ALL personnel in these trades will be transferred from that arm to the C.E.M.E. on the ruling date.

Trades Which Apply To C.E.M.E.	*Arms From Which Tradesmen Will Transfer*	
Artificer, Armament, Instruments (A.A.)	*R.C.O.C.	
Artificer, Armament, Instruments (C.D.)	*R.C.O.C.	
Artificer, Armament, Instruments (Field)	*R.C.O.C.	
Artificer, Armament (A.A.)	*R.C.O.C.	
Artificer, Armament (A.F.V.)	*R.C.O.C.	
Artificer, Armament (Electrical)	*R.C.O.C.	
Artificer, Armament (Field)	*R.C.O.C.	
Artificer, Armament (M.V.)	*R.C.O.C.	
Artificer, Armament (Radio)	*R.C.O.C.	
Artificer, Armament (Wireless)	*R.C.O.C.	
Artificer, Armament (Fitter) (Obsolescent)	*R.C.O.C.	
Artificer, Armament Instruments (Obsolescent)	*R.C.O.C.	
Armourer	*R.C.O.C.	
Blacksmith	*R.C.O.C.	R.C.A.S.C.
Body Repairman (Body Builder)	*R.C.O.C.	R.C.A.S.C.
Carpenter	R.C.O.C.	R.C.A.S.C.
Carpenter and Joiner	R.C.O.C.	R.C.A.S.C.
Clerk (C.E.M.E.)	R.C.O.C.	
Clerk (Stenographer)	R.C.O.C.	
Clerk (Superintending)	R.C.O.C.	
Coppersmith	*R.C.O.C.	R.C.A.S.C.
Draughtsman (Mechanical)	R.C.O.C.	R.C.A.S.C.
Driver Mechanic	R.C.O.C.,	R.C.A.S.C.
Electrician	*R.C.O.C.	R.C.A.S.C.
Electroplater	*R.C.O.C.	
Fitter	*R.C.O.C.	
Fitter (M.V.)	*R.C.O.C.	R.C.A.S.C.

Fitter (A.F.V.)	*R.C.O.C.	
Grinder, precision	*R.C.O.C.	*R.C.A.S.C.
Machinist (Metal)	*R.C.O.C.	
Machinist (Wood)	*R.C.O.C.	
Millwright		R.C.A.S.C.
Mechanic, Instrument	*R.C.O.C.	
Mechanic, Motor	*R.C.O.C.	R.C.A.S.C.
Mechanic, Motorcycle	*R.C.O.C.	
Mechanic, Radio	*R.C.O.C.	
Mechanic, Tire Maintenance	*R.C.O.C.	
Mechanic, Typewriter	*R.C.O.C.	
Mechanic, Vehicle	*R.C.O.C.	
Mechanic, Wireless	*R.C.O.C.	
Mechanist		R.C.A.S.C.
Moulder	*R.C.O.C.	*R.C.A.S.C.
Operator (tire repair plant	*R.C.O.C.	
Painter, Coach	*R.C.O.C.	R.C.A.S.C.
Painter and Decorator	R.C.O.C.	
Pattern Maker	*R.C.O.C.	*R.C.A.S.C.
Plumber	R.C.O.C.	
Refitter, Textile	R.C.O.C.	
Repairer, Pushcycle	*R.C.O.C.	
Riveter	*R.C.O.C.	
Saddler	R.C.O.C.	
Sawyer	*R.C.O.C.	
Sheet Metal Worker	*R.C.O.C.	R.C.A.S.C.
Storeman (Technical and Departmental)	R.C.O.C.	R.C.A.S.C.
Striker or Hammerman, Blacksmith's	*R.C.O.C.	
Supervisor, Workshop	R.C.O.C.	
Tinsmith	*R.C.O.C.	R.C.A.S.C.
Toolmaker	*R.C.O.C.	*R.C.A.S.C.
Trimmer and Upholsterer, Coach	*R.C.O.C.,	R.C.A.S.C.
Turner	*R.C.O.C.	R.C.A.S.C.
Vulcanizer (Obsolescent)	*R.C.O.C.	R.C.A.S.C.

Watchmaker	*R.C.O.C.	
Welder (Gas)	*R.C.O.C.	*R.C.A.S.C.
Welder (Gas and Electric)	*R.C.O.C.	
Welder (Electric)	*R.C.O.C.	
Wheeler	*R.C.O.C.	

Notes:

1. Other ranks of trades marked with an asterisk which are now shown in War Establishments of R.C.O.C. units not converted to the C.E.M.E., or in War Establishments of other arms as “R.C.O.C. attached”, will become “C.E.M.E. attached”.
2. In the case of R.C.O.C. clerks (excluding substantive conductors and sub-conductors) and non-tradesmen now shown as attached or part of a War Establishment or another arm or headquarters, etc., such R.C.O.C. personnel will be transferred to the C.E.M.E. in cases where they are doing duty in connection with electrical and mechanical maintenance.
3. In addition to tradesmen of the trades listed above, the C.E.M.E. will include non-tradesmen such as drivers, I.C., personnel for general and regimental duties.
4. Trades to be absorbed from the R.C.E. will be notified separately.

CARO No. 4395 - Title “Royal” - Canadian Electrical and Mechanical Engineers

24 April 1944

Attention is directed to the provisions of G.O. No. 196 of 1944, which are published hereunder for information.

1. His Majesty the King has been pleased to approve of the grant of the title “Royal” to the Corps of Canadian Electrical and Mechanical Engineers.
2. Consequent upon the above approval the Corps will in future bear the designation hereunder:

Full Title	Abbreviation
Royal Canadian Electrical and Mechanical Engineers	RCEME

(H.Q.S. 20-4-9-X)

ANNEX E

THE GRANTING OF THE DESIGNATION "ROYAL"

GOVERNMENT HOUSE.
OTTAWA

MINISTERS OFFICE APR 5 1944 DEPT. N. D. OTTAWA.

712-5

Office of the Secretary
to the Governor General

3rd April, 1944.

My dear Mr. Minister,

Referring to your letter of the 16th ultimo, I wish to inform you that a letter has been received to-day from the Private Secretary to the King, informing us that His Majesty is glad to approve the grant of the designation "Royal" to the new Corps of Canadian Electrical and Mechanical Engineers. This information was communicated to your Private Secretary by telephone to-day.

APR - 1944

Yours sincerely,

J. Z. Cabeza

Assistant Secretary to the
Governor General.

Notified M.G.O. by tel 1245 hrs. today

P. F. O. LETSON
Major - Deputy
Adjutant - General

APR 7 1944

The Honourable
The Minister of National Defence,
Ottawa.

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CARO No. 4431 - Royal Canadian Electrical and Mechanical Engineers

3 May 1944

1. Routine Order 4230 is amended as under:

Para. 8 (b) (i) under heading Officers delete “or mechanical officer”, delete the period after “qualifications)” and add “mechanical officer to remain as such”.

Para. 9 - delete sub paras “(b) and (c)” and substitute the following:

Warrant Officers, Class I

(b) The appointment of Conductor or Sub-Conductor will *not* apply to the R.C.E.M.E.

(c) Any warrant officer, Class I, holding appointment as Conductor or Sub-Conductor who is transferred from the R.C.O.C. to R.C.E.M.E. will, with effect from date of transfer, be granted an equivalent appointment in the R.C.E.M.E., provided such equivalent appointment is within the R.C.E.M.E. establishment

Other Ranks

(d) Other Ranks of the following groups who are to be transferred to R.C.E.M.E. will be transferred to the R.C.E.M.E. in their substantive ranks.

Other Ranks holding acting ranks or lance appointments on R.C.O.C. establishments will, on transfer, retain such acting ranks or appointments provided there is provision for such rank or appointment within the R.C.E.M.E. establishment.

(i) All other ranks both tradesmen and non-tradesmen of the R.C.O.C. who are serving with the units covered by Appendix “B”, Part I and II.

(ii) All other ranks of the R.C.O.C. of the trades specified in Appendix “D” below as applicable in toto to the R.C.E.M.E. and no longer applicable to the R.C.O.C. including those who are attached to headquarters of formations, to establishments or to units of other arms, or to other Government departments or agencies, See Appendix “B”. Part III below.

(iii) All other ranks of the R.C.OC. of the trades referred to in (ii) above who are non-effective (e.g. men on “X” Lists, Prisoners of War, etc.)

Appendix “C” to Routine Order 4230 is amended as under:

Under column - R.C.E.M.E. appointments (Provisional)—delete the index “(a)” where the same appears against the following appointments:

R.S.M., R.Q.M.S., C.S.M., C.Q.M.S.

Under same column in block denoting appointments to be held by a Warrant Officer Class I.

Delete - Superintending Clerk.

Substitute therefor - Staff Sergeant Major.

Immediately thereunder Insert - Superintending Clerk.

Appendix “D” to Routine Order 4230 is amended as under:

Insert

Clerk	R.C.O.C.	
Draughtsman	R.C.O.C.	
Draughtsman (Mechanical)	*R.C.O.C.	R.C.A.S.C.
Electrician (M.V.)	*R.C.O.C.	
Machinist	*R.C.O.C.	
Saw Doctor	R.C.O.C.	
Photographer dry plate	R.C.O.C.	

Delete—

Clerk (R.C.E.M.E.)	R.C.O.C.	
Draughtsman (Mechanical)	R.C.O.C.	R.C.A.S.C.
Welder (Gas)	*R.C.O.C.	*R.C.A.S.C.
Welder (Electric)	*R.C.O.C.	

Delete the asterisk preceding R.C.O.C. appended to the following trades:—

Blacksmith

Striker or Hammerman, Blacksmith’s

Tinsmith

Trimmer and Upholsterer, Coach

Welder (Gas and Electric)

At para 2 of Notes to Appendix “D” - Immediately following the words “Clerks”

Insert—and storemen (T&D)

2. Where the designations “Canadian Electrical and Mechanical Engineers” or “C.E.M.E appears in R.O. 4230, they shall be construed as meaning “Royal Canadian Electrical and Mechanical Engineers” and “RCEME”, respectively, vide G.O. 196 of 1944.
3. The ruling date referred to in para 9 of R.O. 4230 is hereby declared to be 15th May, 1944.

CARO No. 4512 - Royal Canadian Electrical and Mechanical Engineers - Amendment

27 May 1944

Appendix “C” to Routine Order 4230 as amended by Routine Order 4431 is further amended as under:

Against the rank of “Sergeant” under columns headed “C.E.M.E. appointments (provisional),” “RCE appointments,” “RCASC appointments” and “RCOC appointments”, delete all reference to “Sergeant-cook” in each instance.

(H.Q.S. 20-4-X, F.D. 3)

CARO No. 4709 - Royal Canadian Electrical and Mechanical Engineers - Classification of Officers

22 July 1944

1. Reference Routine Order No. 4230.
2. Wherever in Routine Order No. 4230, and in any other subsequent orders or instructions issued from National Defence Headquarters, the abbreviation "A.E.M.E." (Assistant Electrical and Mechanical Engineer) is used, it shall be construed as meaning "E.M.A.E." (Electrical Mechanical Assistant Engineer) and this abbreviation will in future be used in all terms of reference.

(H.Q.S. 20-4-X)

CARO No. 4890 - Royal Canadian Electrical and Mechanical Engineers - Formation of and Transfer to - Amendment

16 September 1944

Routine Order No. 4230 Appendix “A” is hereby amended as follows:

Para. 2 following sub para (d) for “The R.C.E. will retain responsibility up to the junction box of the lead-in of the outside power-supply”, substitute “The R.C.E. will retain responsibility over the outside power supply up to the first point of attachment to the equipment or its control apparatus”.

(Effective 1st September, 1944.)

(H.Q. 2006-1-59 F.D. 1)

CARO No. 4944 - Designation of RCEME Officers

30 September 1944

1. With reference to R.O. 4230, the use of the R.C.E.M.E. officer's category of E.M.E. and the accompanying departmental gradings of 1st, 2nd, 3rd, and 4th Class will be discontinued. Hereafter, E.M.E. officers will be referred to according to their rank only.
2. All reference to the category of E.M.E. and the accompanying departmental gradings in W.E.'s and H.W.E.'s in the North American Area shall be deemed to have been deleted, and R.C.E.M.E. inserted where necessary to designate a requirement for an R.C.E.M.E. officer of the E.M.E. category.
3. R.C.E.M.E. officers classed as E.M.A.E., Mechanical Officer, A.I.A. and W.E.O. will continue to be so designated.

(Effective 15th September, 1944.)

(H.Q.S. 20-4-X, F.D. 16)

CARO No. 4945 - Royal Canadian Electrical and Mechanical Engineers

30 September 1944

Appendix “D” to Routine Order 4230 as amended by Routine Order 4431, is further amended as under:

Trades which apply to RCEME	Arms from which tradesmen will transfer
Senior Projectionist	R.C.O.C

(H.Q. 54-27-35-268, F.D. 26)

CARO No. 4996 - Corps Of “Canadian Electrical and Mechanical Engineers” - Status

18 October 1944

1. Under the provisions of Order in Council F.C. 70/1185 dated 24 February 1944 as notified in G.O. 127 of 1944, officers and other ranks of the Corps of “Canadian Electrical and Mechanical Engineers” were declared combatant in the fullest sense with the exception that powers of command were restricted by the provisions of K.R. (Can.), para. 220.
2. The said Order in Council has been amended by Order in Council P.C. 136/7505 dated 27 September 1944, as notified in G.O. No. 460 of 1944, to provide for the removal of the said restrictions as to powers of command. In the result, all ranks of the Corps of “Canadian Electrical and Mechanical Engineers” are now declared to be combatant in the fullest sense and without restriction.
3. The provisions of G.O. No. 460 of 1944 insofar as they relate to the said Corps are republished hereunder for information:

   “General Order No. 127 of 1944 is amended as follows:

   Delete paragraph 4 and substitute therefor the following:

   Officers and other ranks of the Corps of “Canadian Electrical and Mechanical Engineers” shall be combatant in the fullest possible sense.”

4. Routine Order 4229 is to be amended accordingly.

(H.Q. 54-27-1-17 F.D. 36)

CARO No. 5065 - Royal Canadian Electrical and Mechanical Engineers - Formation of and Transfer to - Amendment

8 November 1944

RO 4230, as amended, is further amended as follows:

Para. 4, Delete Sub-para, (c) and substitute:

"(c) Other Ranks - Other ranks of the RCEME will consist of both tradesmen (including Armament Artificers, Armourers, Artisans, Clerks, and Storemen) and of non-tradesmen (Drivers, I.C., Motorcyclists, and General Duty men). Soldiers below NCO rank in the RCEME who have qualified by trades test in any authorized Army Trade will hold the rank of "Craftsman" (abbreviation "Cfn") regardless of whether or not they are employed at their trade; Non-tradesmen will hold the rank of "Private" or "Driver" according to the duties for which they are required."

Para. 4, Add new Sub-para, (d):

(d) CWAC—Volunteers, CWAC, of the rank of Private or Driver covering off vacancies on RCEME Units will be so described, and in no event will they be described as "Craftswomen".

Appendix "C", delete portion of table dealing with Warrant Officer, Class I, and substitute:

Rank	R.C.E.M.E. Appointments (Provisional)	R.C.E. Appointments	R.C.A.S.C. Appointments	R.C.O.C Appointments
Warrant Officer Class I	Staff Sgt-Major, 1st Class		Mechanist SM (TMT clerk)	Conductor
	RSM	RSM	RSM	RSM
	Armament SM			Armament SM
	Armourer SM			Armourer SM
	Artisan SM	Mechanist SM (military mechanist)	Mechanist SM (Artificer)	Conductor Sub-Conductor
	Staff Sgt-Major			Sub-Conductor

(H.Q.S. 20-4-XF.D. 11)

CARO No. 5109 - Royal Canadian Electrical and Mechanical Engineers - Formation of and Transfer to - Amendment

22 November 1944

R0 4230 and Appendix “C” thereto, as amended by RO's 4395, 4431, 4512, and 5065, are further amended as follows:

Para. 4 (c), Lines 6 and 7.

Delete “or “Driver” according to the duties for which they are required.”

Appendix “C”.

Delete:

Rank	R.C.E.M.E. Appointments (Provisional)	R.C.E. Appointments	R.C.A.S.C. Appointments	R.C.O.C Appointments
Driver (d)	Lance-Corporal (d)		Lance-Corporal (d)	Lance-Corporal (d)
	Driver (d)		Driver (d)	Private (d)
Private (e)	Lance-Corporal (e)		Lance-Corporal (e)	Lance-Corporal (e)
	Private (e)			Private (e)

and substitute:

Rank	R.C.E.M.E. Appointments (Provisional)	R.C.E. Appointments	R.C.A.S.C. Appointments	R.C.O.C Appointments
Private (d)	Lance-Corporal (d)		Lance-Corporal (d)	Lance-Corporal (d)
	Private (d)		Driver (d)	Private (d)

Delete note (d) and substitute:

“(d) Non-tradesmen only.”

Delete note (e).

(H.Q.S. 20-4-X)

CARO No. 5471 - Repairs To Telecommunication Equipment (Other Than Radar)

17 March 1945

In future, all Telecommunication equipment (other than Radar) requiring repairs of a 2nd to 4th echelon nature will be forwarded to the nearest RCEME Workshop (Telecommunications) in accordance with Unit Accounting Instructions for Ordnance Stores, Paras. 119 to 121 inclusive.

If 2nd line Workshop cannot expeditiously and economically affect the required repairs, the equipment (s) will immediately be forwarded to the area 4th line workshop which is detailed in para, two below. If, for any reason, a 4th line workshop is unable to affect the required repairs, the equipment will be evacuated, through the normal channels to Camp Borden, which will be considered the main base workshop.

5. The Telecommunication sections (other than Radar) of the RCEME Workshops at the following localities will henceforth be considered as 4th line: Halifax, NS; Kingston, Ont; Camp Borden, Ont; Vancouver, BC

6. The Telecommunication Sections (other than Radar) of the RCEME Workshops at the following localities will henceforth be considered as 2nd line.

   Montreal, Ottawa, Petawawa, London, Toronto, Camp Shilo, Winnipeg, Quebec, supported by Camp Borden.

   Goose Bay, Lab; St. John's, Nfld; Gander, Nfld; Sydney, Debert, Saint John, NB, supported by Halifax

   Regina, Calgary, Esquimalt, Dundurn, Vernon, Nanaimo, Prince Rupert, Prince George, Courtenay supported by Vancouver

RO 2766 is hereby cancelled.

(Effective 10 March 1945.)

(HQ 130-21-25, FD 143)

CARO No. 5612 - Royal Canadian Electrical and Mechanical Engineers - Classification and Qualifications

25 April 1945

1. Officers of the Corps of Royal Canadian Electrical and Mechanical Engineers will be appointed in the following classifications:

   (i) Electrical and Mechanical Engineer (EME) candidates must be:

      (a) a graduate in Electrical or Mechanical Engineering from a recognized Canadian University or College or from an institution legally recognized as having equivalent standing. (A science graduate in Physics may be considered as equivalent for Telecommunications.) or

      (b) an engineer with extensive experience in Electrical or Mechanical Engineering who is recognized under Dominion or Provincial law as qualified to perform such work.

   (ii) Electrical and Mechanical Assistant Engineer (EMAE) will be appointed from the ranks of qualified Warrant Officers of the several Armament Artificer Groups or the Armourer Group of the Corps of Royal Canadian Electrical and Mechanical Engineers.

   (iii) Mechanical Officer (Mech Offr) will be:

      (a) a tradesman appointed from the ranks of the Artisan Group of the Corps of Royal (Canadian Electrical and Mechanical Engineers. or

      (b) a person from civilian life who has had extensive practical experience in engineering trades.

   (iv) Executive Officer (EO) will be:

      (a) a tradesman appointed from the ranks of clerks or storemen in the Corps of Royal Canadian Electrical and Mechanical Engineers. or

      (b) a person from civilian life who has had extensive experience in clerical or store- keeping work.

2. Where necessary officers will be reclassified in accordance with the provisions of para. 1 above, as follows:

      (a) Assistant Inspector of Armourers (AIA) will become Electrical and Mechanical Assistant Engineer (EMAE)

      (b) Workshop Executive Officer (WEO) will become Executive Officer (EO)

      (c) Regimental Officer will become Executive Officer (EO)

3. Notwithstanding the above noted classifications, Electrical and Mechanical Assistant Engineers, Mechanical Officers, and Executive Officers may be posted to any Electrical and Mechanical Engineer vacancy in authorized War Establishments.

(HQ 54-27-141-24 FD 3)

CARO No. 5652 - Royal Canadian Electrical and Mechanical Engineers - Formation and Transfer To

5 May 1945

Under the provisions of Order in Council PC 136/7505 sated 27 September 1944, as notified in GO 460, and as republished in RO 4996, RO 4230 is hereby amended as follows:

Delete para 4 (b) and substitute

> "(b) Officers of the Corps of Royal Canadian Electrical and Mechanical Engineers will be comprised of professional engineers and certain non-professional personnel of appropriate ranks."

(HQS 20-4-X)

CARO No. 5831 - Royal Canadian Electrical and Mechanical Engineers - Classification and Qualifications

30 June 1945

1. RO 5612 is amended as follows:

   Delete para 3 and substitute:

   "3. Officers of the above classification will be posted in accordance with establishment requirements."

(HQ 54-27-141-24)

CARO No. 6347 - Royal Canadian Electrical And Mechanical Engineers - Classification and Qualifications

24 January 1946

ROs 5612 and 5831 are hereby cancelled,

1. Officers of the Corps of Royal Canadian Electrical and Mechanical Engineers will be appointed in the following classifications:

   (i) Electrical and Mechanical Engineer (EME) candidates must be:

      (a) A graduate engineer who has completed the required training in electrical or mechanical engineering at either a recognized Canadian University, or other institution recognized as having an equivalent technical standing.

      or

      (b) an engineer with extensive experience in Electrical or Mechanical Engineering who is recognized under Dominion or Provincial law as qualified to perform such work and whose training and experience are considered to comply with the requirements of the Corps.

   (ii) Electrical and Mechanical Assistant Engineer (EMAE) will be appointed from the ranks of qualified Warrant Officers of the several Armament Artificer Groups or the Armourer Group of the Corps of Royal Canadian Electrical and Mechanical Engineers.

   (iii) Mechanical Officer (Mech Offr) will be:

      (a) a tradesman appointed from the ranks of the Artisan Group of the Corps of Royal Canadian Electrical and Mechanical Engineers.

      or

      (b) a person from civilian life who has had extensive practical experience in engineering trades.

   (iv) Executive Officer (EO) will be:

      (a) a tradesman appointed from the ranks of clerks or storemen in the Corps of Royal Canadian Electrical and Mechanical Engineers.

      or

      (b) a person from civilian life who has had extensive experience in clerical or store-keeping work.

2. Where necessary Officers will be reclassified in accordance with the provisions of Para. 1 above, as follows:

   (a) Assistant Inspector of Armourers (AIA) will become Electrical and Mechanical

   (b) Assistant Engineer (EMAE)

   (c) Workshop Executive Officer (WEO) will become Executive Officer (EO)

   (d) Regimental Officer will become Executive Officer (EO).

(HQ 54-27-141-24 FD 3)

CARO No. 6491 - Repair Of Stores In RCEME Workshops Notification For RCEME Services

4 April 1946

1. In order to schedule repair work on a priority basis and determine the field - backlog against RCEME Workshops, the following procedure will be taken into effect immediately. All Units, Ordnance Spare Parts Stores Sections and Ordnance Depots requiring RCEME Services will submit a “Notification for RCEME Services” (MFM 484) to their local RCEME Workshop before forwarding equipment to the Workshop for inspection, repair or modification.
2. The following procedure will be adopted:
   (a) A “Notification for RCEME Services” will be prepared in quadruplicate by the Unit or Ordnance Depot, concerned, showing all particulars. In the space provided for “Priority assigned by Unit” will be indicated whether training will be impeded, etc by delay in performing the required repairs. The Notification Form will be numbered consecutively by the issuing Unit.
   (b) The Notification will be distributed as follows:

       Copies 1 and 2 - Forwarded to the Workshop concerned.

       Copy 3 - Retained by Unit or Ordnance Depot.

       Copy 4 - Held with the stores concerned for identification purposes.

   (c) The OC, RCEME Workshop will review the Notifications daily and schedule the work load accordingly.
   (d) When the original copy of the Notification is returned to the Unit by the Workshop, showing the date that the Stores can be accepted for repair, the unit will take action to deliver the stores as indicated oh the Notification. All stores delivered will be accompanied by the usual Repair Indent (NDFC 637) which will always bear reference to the number on the Notification Form.
3. Supplies of MFM 484 Notification for RCEME Services Forms will be obtained through the usual channels from the Chief of Printing and Stationery, NDHQ.

(HQ 9554-18-16)

CARO No. 6579 - Regrouping of Army Trades and Classification of Tradesmen

1. Reference is made to RO 6550.
2. Effective 1st October, 1946, the following instructions will apply for trades included in, and to tradesmen of, the various components of the Post-War Canadian Army, ie, Active Force, Reserve Force, and Supplementary Reserve:
   (a) The system of grouping trades as A, B, and C will be discontinued.
   (b) Trades will be reclassified as Groups 1, 2, 3, and 4 in accordance with the appendix to this order.
   (c) Personnel will be required to qualify according to revised trade tests to be issued.
   (d) Until trade tested in the new classification, personnel qualified as Group C, B or A of a trade will be classified Group 1, 2 or 3 respectively. After qualification according to revised trade tests, personnel will be graded as in sub-para (b) above.
   (e) Where trades have been upgraded from former “Non-Tradesmen” or “Specialist” categories, personnel concerned will require qualification according to appropriate trade tests before they can be graded as tradesmen.
   (f) A new publication, “Canadian Army Trade Tests, 1946”, will be issued and will detail revised and new trade standards. Advance information concerning trade tests will be issued by Circular Letter.
3. Insofar as serving personnel other than those defined in para 2 above are concerned, the present system of grouping trades as A, B and C, and ail instructions pertaining thereto, including “Instructions Regarding Trade Tests and Trade Testing, 1944”, will remain in effect.

(HQ 54-27-34-14)

[The annex to this RO is not reproduced here].